Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/06/2020 12:09 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123873	-1	3.02	124023	3.07
Blue	F	SSC	125000	124698	-1	1.85	125385	1.82
Blue	E	FITC	15892	15396	-4	2.88	336	20.54
Blue	D	PE	29999	29507	-2	2.00	644	15.43
Blue	B	PerCP-Cy5-5	43732	43459	-1	3.78	1165	21.15
Blue	A	PE-Cy7	30845	30372	-2	6.15	574	42.52
Red	C	APC	46112	45585	-2	2.45	1607	12.29
Red	A	APC-Cy7	30458	29440	-4	2.35	779	12.00
Violet	B	V450	7918	7570	-5	4.23	429	12.92
Violet	A	V500	32171	30919	-4	4.05	722	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17201	17.12	628	7	N/A	N/A	Pass
Blue	F	SSC	57233	1.24	566	7	N/A	N/A	Pass
Blue	E	FITC	61	67.07	547	4	0.0194	176	Pass
Blue	D	PE	134	51.57	554	6	0.1420	247	Pass
Blue	B	PerCP-Cy5-5	212	52.80	661	5	0.0084	80	Pass
Blue	A	PE-Cy7	106	107.64	703	5	0.0102	22	Pass
Red	C	APC	384	25.25	586	2	0.0234	108	Pass
Red	A	APC-Cy7	171	28.83	556	0	0.0055	912	Pass
Violet	B	V450	66	59.75	462	4	0.0569	2395	Pass
Violet	A	V500	107	35.36	478	4	0.0256	1184	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.46	-31.95	0.99
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	16.10	13.60 - 20.40	N/A	N/A	29.38	29.90	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9987

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments